



GUESTS VIEW SPRAGUE ELECTRIC OPERATIONS — Guide Ray Calvi explains manufacturing operations in Round Midget Assembly to "Get-Acquainted Day" guests. As part of the "Get-Acquainted Day" program, visitors took guided tours of the Marshall Street Plant.

Over 200 Business People Attend "Get-Acquainted Days" At The Marshall Street Plant

On Sprague Electric "Get-Acquainted Days", over 200 area business people got acquainted with Sprague Electric production, engineering, laboratories, and offices. And they also got acquainted with Sprague Electric products and the Company's position in the electronic industry.

"Get-Acquainted Days" were Monday, September 8, and Wednesday, September 10. The guests were invited to lunch at the Marshall Street cafeteria and were addressed by Robert C. Sprague. (This speech is printed in its entirety on Page 2.) After Mr. Sprague had discussed the products manufactured by Sprague Electric and familiarized his audience with the electronic business, the guests were ready for the tour of Marshall Street. The tour was conducted in small groups to give each individual a

maximum of opportunity to see the operations and hear the guides' detailed explanations. The tour route started in the Transistor Laboratory, proceeded through the labs, included some of the offices, various engineering and planning departments, Round Midget Assembly, Automatic Rolling, Networks and Filters, F. P. Assembly, down to Dry Tubular Assembly and Finish, down to Ceramics, then out through Formation.

One of the most popular spots on the tour was Lucius Henry's laboratory where man-made lightning was set off for the benefit of the visitors.

In many of the labs and production departments, attractive displays of products had been set up. These well-arranged exhibits attracted a great deal of attention. Many of them showed the step-by-step progress of the manufacture of a Sprague product.

For many of the people attending the "Get-Acquainted Days", this was their first opportunity to go through Sprague Electric. They were impressed with the laboratory equipment, the production processes, and the vastness of the Marshall Street Plant. Several of the guests had been familiar with the plant when it was operated by the Arnold Print Works, and it was of interest to them to see the many changes which had taken place.

On both Monday and Wednesday, Harold Carson, Tom Cullen, Bernard Garceau, Ray Hunicke, John Ortman, Charles Parker, Frederick Potter, John Puppulo, Ernest Purpura, George Saulnier, Robert Smith, Robert Teeple, Charles Thompson, and Ernest Ward were guides. In addition, Ray Calvi, Ernest Jones, Samuel McClure, Albert Postle, and Howard Sherman were guides on Monday, and Richard Crosier, Edward Godek, Edward Goodman, and Donald Meiklejohn were guides on Wednesday.

After the tour, which took about an hour and a half, the foot-weary guests assembled in the cafeteria for refreshments. Before leaving the plant, they were given an opportunity to inspect the displays which had been arranged by John Brent of the Advertising Department.

The participants in the "Get-Acquainted Days" included clergy, businessmen and women, merchants, industrialists, educators, bankers, and professional people. Each person was given a copy of the brochure "Career Opportunities at Sprague Electric" and a souvenir automatic pencil inscribed "Sprague 'Get-Acquainted Day'".

Clarence C. Chaffee, of the Employee Relations Department, made the arrangements for the "Get-Acquainted Days".

Stackpole Sees Vital Role of Sprague People In Bloodmobile Drive

William J. Stackpole, Chairman of the Berkshire County Blood Program and Co-Chairman with Lawrence J. Belouin of the Blood Donor Committee of the North Adams branch of the American Red Cross, urges Sprague Electric people to give blood during the coming visit of the Bloodmobile.

Bill states, "The need for blood is great, both here and in Korea. In a large part, the willingness of Sprague Electric people to give blood determines whether the North Adams drive is a success or failure."

The Bloodmobile will be at the Masonic Temple September 22 through September 26. Donations may be made from 10:15 a.m. to 4:15 p.m. The Sprague Electric Company allows each employe an hour and a half for a Bloodmobile visit.

Each Company employe will be contacted personally to see if he desires to give blood.

Under Bill Stackpole's leadership, the local committee broke the world's record for peace-time collections of blood in 1949. In 1950, North Adams broke its own record. It is hoped that the city will keep up its excellent record.

Mr. Stackpole has served as Chairman of the North Adams Blood Donor Committee for two years and as Co-Chairman with Mr. Belouin for another two years. In addition, he is a member of the Executive Committee and the Board of Directors of the Red Cross Chapter, a member of the Executive Board of the North Adams branch of the Red Cross, and a member of the Board of Directors of the North Adams Community Chest.

"Where Massachusetts Industry Stands Today" Enclosed With LOG

Enclosed with this issue of the LOG is the booklet "Where Massachusetts Industry Stands Today". This booklet is sponsored by the Associated Industries of Massachusetts for the purpose of informing voters where Massachusetts industry stands on taxes, workmen's compensation, transportation costs, public assistance, unemployment compensation, and labor legislation.

Massachusetts industries have been concerned that the government and the people of the state are not adequately informed of the problems of industry. Massachusetts is an industrial state and its welfare depends on the well-being of its industries. The encouragement of industry is to the advantage of every resident of Massachusetts. This booklet outlines a constructive program which, if followed, would increase our state's industrial advantage and strengthen the economic security of our workers.

This booklet is of further interest to us as Robert C. Sprague is President of the Associated Industries of Massachusetts.

Pvt. Senecal Graduates From Airborne Infantry School

Pvt. Walter J. Senecal, former member of the Dry Tubular Finish Department, was graduated from the Airborne Infantry School at Fort Benning, Ga. last month.

Pvt. Senecal left Sprague Electric to enlist in the Army in February, 1952. He received his basic training at Fort Knox, Ky. with the Third Armored Division before receiving his paratrooper training at Fort Benning.

Supervisory Discussion Groups Addressed By Robert C. Sprague At Dinner Meeting

A dinner meeting of the Supervisory Discussion groups was held at the Clarksburg Sportsmen's Club on September 10.

Present at the meeting were 129 supervisors. Members of the Training Advisory Committee who attended were Courtney Flanders, Samuel McClure, William Nolan, John Ortman, Frederick Potter, John Schimmel, Robert Sprague, Jr., Robert Teeple, Ernest Ward, and Jack Washburn.

Robert C. Sprague, the guest of honor, addressed the group. Mr. Sprague gave a financial review of the Company's operations for the past few months and discussed the current and future outlook of various products and their importance to Sprague Electric. During his talk, he stressed the importance of good supervision to the individual employe and to the Company.

Before Mr. Sprague spoke, Courtney Flanders introduced the employes who had been promoted to Supervisors since the May dinner meeting. They are: Robert Chalmers, Joseph Cusson, Richard DiLorenzo, Ruby Hubbard, Paul LaPlant, John LePage, Daisy Major, Fuad Nassif, Harold Norcross, Raymond Parent, Thomas Quinn, Edward Roi, John F. Sullivan, and Charles D. Wilson.

A number of Supervisors had been promoted to Foremen since the last dinner meeting. They are Charles Blouin, Foreman of the Control Lab, Peter Mancuso, Foreman of Check Inspection at Brown Street and at the Bennington Wire Coating Department, Harold Tourjee, Foreman of Check Inspection at Marshall Street and Beaver Street, and Adolph Zabek, Foreman of Brown Street Paper Rolling and Prokar Solder.

After dinner, group singing was enjoyed and Mary Templeton played the piano. The evening was brought to a close with entertainment by a lady accordion player and a comic magician. The accordionist accompanied an old-fashioned quartet composed of Joe Miller, George Paquin, Robert C. Sprague, and Ernest L. Ward. The quartet rendered several selections, including "Sweet Adeline". By popular request, Joe Miller did a tap dance.

Dinner meetings of the Supervisory Discussion groups are held periodically to give the Supervisors an opportunity to get acquainted among themselves.

Adams, Kalker, and Podolsky, Named to RTMA Committees

William M. Adams has been appointed Chairman of the Export Committee of the Radio Television Manufacturers Association. A. T. Plamondon, Jr., RTMA Board Chairman, announced that Mr. Adams would succeed V. S. Mameyeff in directing the work of the Export Committee. Mr. Adams is Director of the Export Division of Sprague Electric and resides in Canaan, N. Y.

Mr. Plamondon also announced the appointment of Harry Kalker to the Service Committee of the RTMA. Mr. Kalker, President of the Sprague Products Company, a Sprague Electric subsidiary, is a resident of Williamstown.

At the same time, Leon Podolsky, Manager of the Field Engineering Department, was named an ex officio member of the Standards, Foreign Relations, Education and Show Committee.

Remarks by Mr. Robert C. Sprague to Our Visitors on "Get Acquainted Days"

Ladies and Gentlemen, guests of the Sprague Electric Company, we are delighted to have you with us today and do most sincerely appreciate your friendly cooperation in being with us on "Get Acquainted Day". I am going to talk to you briefly this noon on "The Sprague Electric Company as a Citizen", and also tell you something about our Company, its products, and the industries in which we operate.

Our Company aims to be a good citizen wherever our people work and live.

In civic responsibilities, we try to carry our share of the load, at the same time respecting the important responsibilities carried on by many others. What is good for our people and their neighbors is also good for each company which provides them with employment.

In the economic life of the community we also try to carry our share of the load. Our Company is owned by about 1200 men and women. Of its nine directors, two-thirds are active employees at the executive level.

Last year, the Company brought into North Adams about \$38,000,000, which it distributed to various groups of people. For example, 37% went to our suppliers, many of whom are local merchants. This amounted to about \$14,000,000.00. About the same percentage went to our employees, most of whom in turn spent it in the community in which they live. This too amounted to about \$14,000,000.00. Then we paid about half as much as our employees received during the year to our state and federal governments to spend — wisely, we hope. This amounted to an additional \$7,000,000.00. Finally after spending somewhat more than an additional \$2,000,000.00 in additional plant facilities and on wear and tear and amortization of our present facilities, the 1200 owners of the Company received in dividends about 2½% of the monies we received during the year.

If the Company has been successful, it is because all of our people have been united in making it so. All levels of employees — including our management group, our professional group, foremen and supervisors, and our employees, union and non-union — have pulled together year in and year out for the one most important goal of pleasing our customers. We are favored with an unusually fine type of employee, steady, skillful and dexterous. I suggest you observe this for yourselves as you go through the plant.

Our business is the manufacture of basic components which are used in the assembly of end equipment produced by the electrical and electronic industries — in the assembly of radios, television sets, electrical appliances, etc.

By far the largest portion of our business is in the design and manufacture of capacitors, and we are today, I believe, the largest manufacturer of capacitors in the world.

What is a capacitor? A capacitor is any two conducting plates, shapes or objects, separated from each other by an insulating medium of any kind. The most dramatic physical embodiment of a capacitor in nature is a capacitor consisting of two clouds, or one cloud and the earth, separated by air. The friction developed by opposing air currents, charges up these natural capacitors with a high voltage charge of static electricity, and when such a capacitor has been charged to a sufficiently high voltage, then the air insulator or "dielectric" of the capacitor, as it is technically called, breaks down, and you have a lightning discharge which "ruptures" the insulating medium between the plates of the capacitor, and breaks down the air dielectric of the "cloud" capacitor.

Our job is to design the smallest and lowest cost capacitors which will not break down when used in the services for which they are designed. This requires a great deal of highly specialized research, engineering and manufacturing facilities and know-how. Let me give you an illustration which occurred during World War II.

Using photoflash technique, with which I am sure most of you are familiar, the military were able to take photographs at night over Germany. A large bomber was loaded with about 7000 pounds of capacitors, which were charged by an electronic power supply and discharged through a special tube or lamp underneath the bomber, and which gave a sufficient illumination to permit photographs in good detail, to be taken at a height of about 12,000 feet. This was, however, too low an altitude for safety to the plane and crew, but it was impossible to increase the number of pounds of capacitors that could be carried in the bombers then available. The problem was discussed with our technical people and by the use of a new impregnated or insulating material, we were able to double the capacity of the capacitor bank without increasing its size or weight. This permitted the capacitor bank to be charged, so that it contained twice the electrical energy which, when discharged through the illuminating tube, produced sufficiently more light to permit the bombers to be flown at 18,000 feet (instead of 12,000 feet) without sacrifice of photographic detail and with much greater safety to crew and plane.

All alternating circuits, which include practically all electric power and all electronic circuits, have three main characteristics. These are the characteristics of capacity, resistance, and inductance. The exact amount of capacity, resistance, and inductance it is necessary to include in a particular alternating current circuit to obtain a desired result is determined respectively by capacitors, resistors, and coils and transformers.

The Company is also an important manufacturer of certain special types of resistors, particularly those using its ceramic coated, nickel alloy wire as a basic element. In addition, the Company produces ceramic coated copper wire, which is an exclusive engineering end product item of this Company, and which goes into the production of small, high temperature coils and transformers.

In addition to capacitors, resistors and ceramic coated wire, the Company also designs and manufactures assemblies of these three basic components in the form of radio noise suppression filters, used to reduce radio interference from civilian and military electrical apparatus, and also radar pulse networks, which form the shape of the pulse which is transmitted from and reflected back to the radar transmitting and receiving equipment.

You will see from this that the Company designs, engineers and manufactures all three of the basic components used in all alternating current apparatus, which includes all electronic circuits, and also certain specialized assemblies of two or three of these basic components.

In addition, the Company is presently interested in transistors. This is a very big subject, but it is for the future more than the present, and therefore I will say no more about this intriguing subject at this time other than to mention that the Company is interested in doing research and development work on transistors.

There is one thing in common with all of the basic components which we engineer and manufacture, and that is that they deal with insulating and dielectric materials, "dielectric" being an engineering term to define an in-

ulating material which has special properties particularly useful as an insulating medium in a capacitor. From this you will see that our basic research and engineering has to do principally with the most effective use of known materials and the development of new materials for a very wide variety of insulating purposes. This requires a large and highly trained research and engineering staff, and in our research and development laboratories alone, we employ about 140 graduate engineers and technicians. They are chemists, physicists, mechanical, electrical and electronic engineers, but the majority are basically chemists. They study the insulating and dielectric properties of all known materials. In our research laboratories they synthesize new materials. These are engineered and processed into capacitors, resistors and insulated wire and then tested to determine their special operating characteristics.

Another and entirely different group of engineers, designs the special equipment which is required to process our products, some of which are quite complicated and costly. For example, in order to most efficiently form an oxide film on aluminum foil, one of our most efficient dielectrics and used as a basic element in our large line of electrolytic capacitors, we have designed and built and have now in operation, a large number of so-called "forming" machines which are about 4 feet wide, 6 feet high and about 60 feet long. These require the passage of controlled amounts of electric current from a very few volts to as high as 700 volts, and the alternate immersion of the foil in a number of different chemical solutions, to obtain the particular result desired. A great amount of electric power is required in this process and it is a surprise to many to learn that our North Adams plants have 14,000 KVA of connected electric power. You will see these machines on your tour of the plant.

The equipment for removing moisture from the special paper used as a dielectric in many of our capacitors, and replacing it with a large variety of insulating waxes, oils, phenolic and other materials, is of special design, of varying sizes, requiring the application of a wide range of temperature in direct contact with each capacitor in high vacuum, the whole a part of a closed system, so that the drying, evacuating and filling can be accomplished without exposing the capacitor to the air until it has been completely processed.

In addition to impregnated paper, some of which is as thin as one-fifth of a thousandth of an inch, other insulating materials include mica, ceramics and aluminum oxide, all used as previously mentioned, with a whole range of waxes, oils, phenolics and other impregnating materials.

If I have given you the impression that this is a specialized, technical business, you are entirely correct, because that is exactly what it is, and is the impression which I am sure you will get as you walk through our laboratory and manufacturing departments.

Why is it that the large end producers depend mostly on companies like the Sprague Electric Company for these basic components, rather than themselves undertaking their manufacture? The reason is that it requires a high degree of specialization and the gradual accumulation of unique equipment and know-how to become proficient in the engineering, design and manufacture of these basic components. The large end producers are concerned mostly with the engineering and assembly of circuitry, to produce the best in radio and television sets, to sell at a price which will attract the maximum number of users. This also applies to the manufacturers of industrial electronic

equipment, even including complicated electronic calculators, which are again a matter of circuitry. To the contrary, we deal mostly with research, engineering and processing of materials, which requires an entirely different type of specialization. The degree of specialization is such that although our colleges graduate engineers, who are reasonably proficient in electrical and electronic circuitry, they graduate no engineers whatsoever who are proficient in the design and engineering of capacitors. These have to be trained in our own laboratories, although we start, of course, with competent men who have a good basic background in electricity, electronics, chemistry, physics and mathematics.

There is another element which I have touched on briefly above, and that is the vital importance of a long accumulation of specialized knowledge, skills and processing equipment. In almost every case each new technique depends on and is built upon an earlier technique which is again being constantly improved in our laboratories. It is also true that to an almost unbelievable extent small differences are of vital importance and it then takes a pilot run of hundreds of thousands of units, to determine the merit of a slight change in either material or process. I will illustrate this by an example. Until several years ago the most popular type of paper tubular capacitor, used in radio and television sets, had an incidence of failure during our customers' (the end producers) guarantee period, of about 1 in 1000 units or 1/10 of 1%. This was good performance, indeed, considering that the insulating material used is stressed at about 500 volts per one-thousandths of an inch of thickness. For a comparison, have in mind that the cord set used for plugging in an electric appliance to a wall socket in your home and which only operates at 110 volts, (not 500 volts) has an insulating coating of from 1/16 to 1/8 of an inch thick! (not one-thousandths of an inch thick!).

After a long and extensive development, we introduced a new paper tubular which had a phenolic case which was molded around an unimpregnated and sealed, which was a unique process of manufacturing this type of small, relatively inexpensive, capacitor, and which involved a processing technique only previously used in much more expensive types of capacitors. Although "molded" paper tubular capacitors are now being offered by

others, none have been so far able to duplicate this processing technique, at the price we have been able to make them available to the trade. The units are a little more expensive — about 30%. What does the customer get for this added cost? An extensive analysis of field results, made by one of our largest customers, indicates that instead of having field failures of one-tenth of 1%, the incidence of failure has been reduced 100 fold or to about 1 failure in about 100,000 units. What does this mean? There are about 30 of this particular type capacitor used in a typical television set. A failure of 1 part in 1000 means on the average a failure of 1 television set in 30, whereas with the new "molded" units an incidence of failure of 1 in 100,000 means a failure in the end equipment of only 1 in every 3000 television sets. The average price of the old type paper tubular capacitor is around 4 cents, which brings the cost of a complement of 30 to around \$1.20. So with the expenditure of an additional 36 cents per television set, the manufacturers who use this improved product are able to reduce the incidence of failure in their equipment from 1 in every 30 television sets to 1 in every 3000 sets. I think you will agree with me, and with the increasing number of manufacturers who are using these improved

molded tubular capacitors in their television sets, that the added 36 cents is well worthwhile!

The main point of this particular illustration is that in order to engineer this new product, and put it into production with the above-mentioned dramatic results, required not only invention, but the combined skills of a large portion of our experienced engineering and manufacturing staffs, and the use of a great deal of highly specialized production equipment. I think I can state with entire accuracy and safety, that it would have been absolutely impossible for anyone to have achieved these results with a laboratory setup, no matter how competent were the personnel assigned for the purpose.

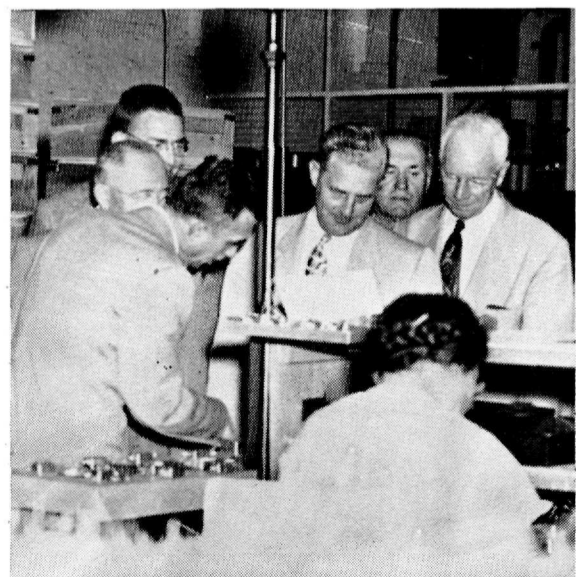
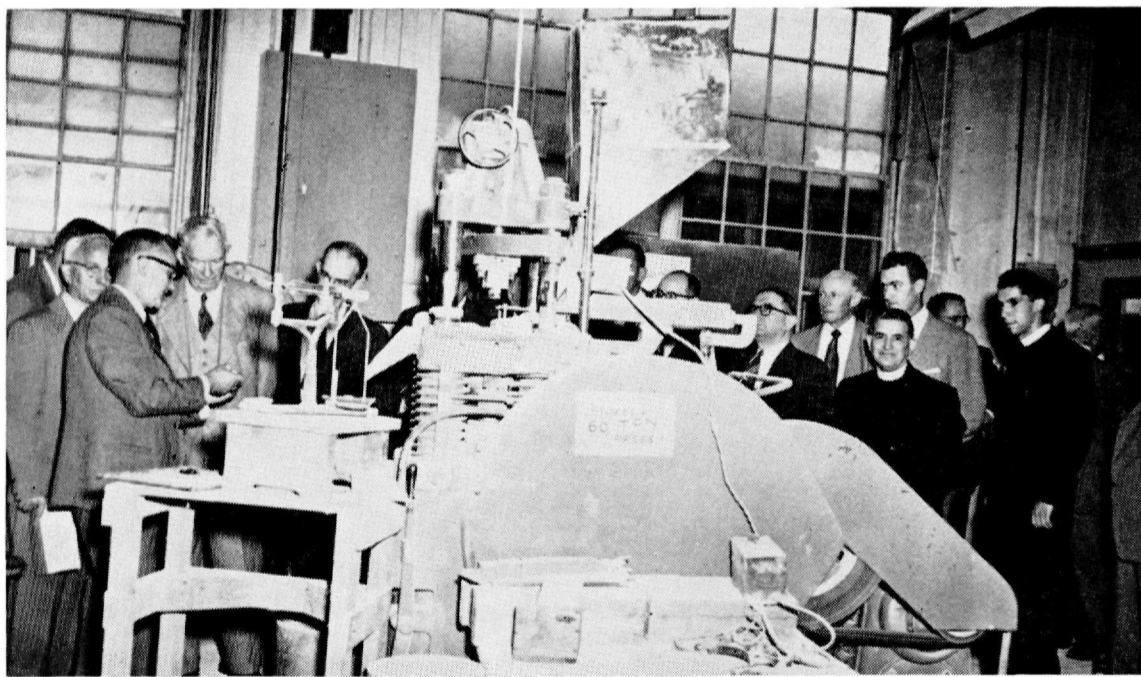
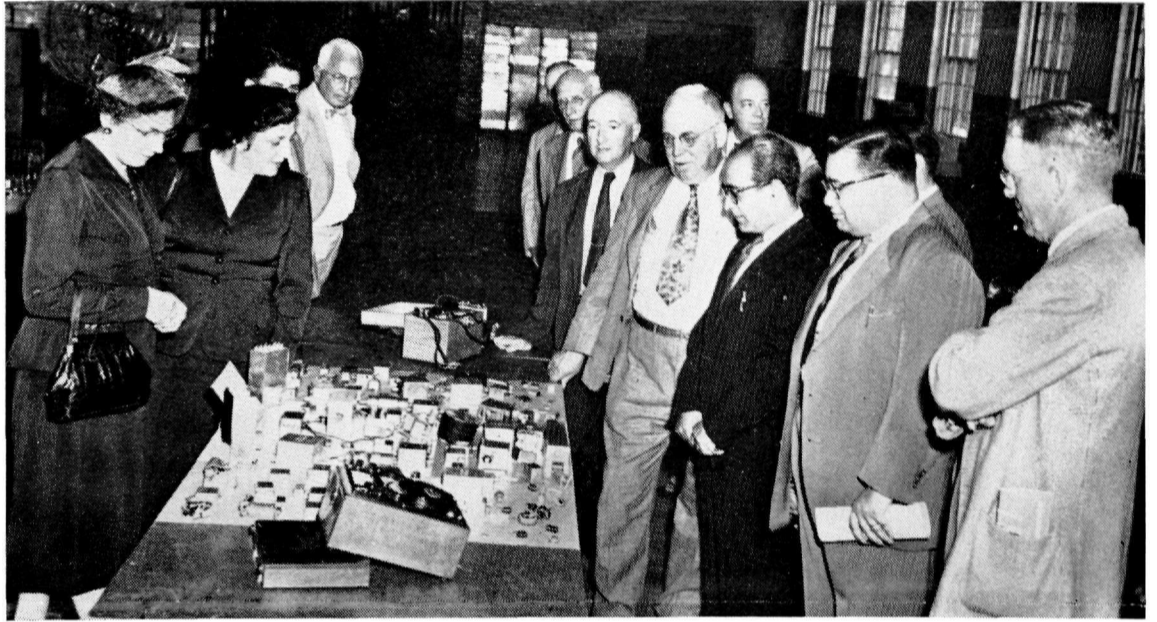
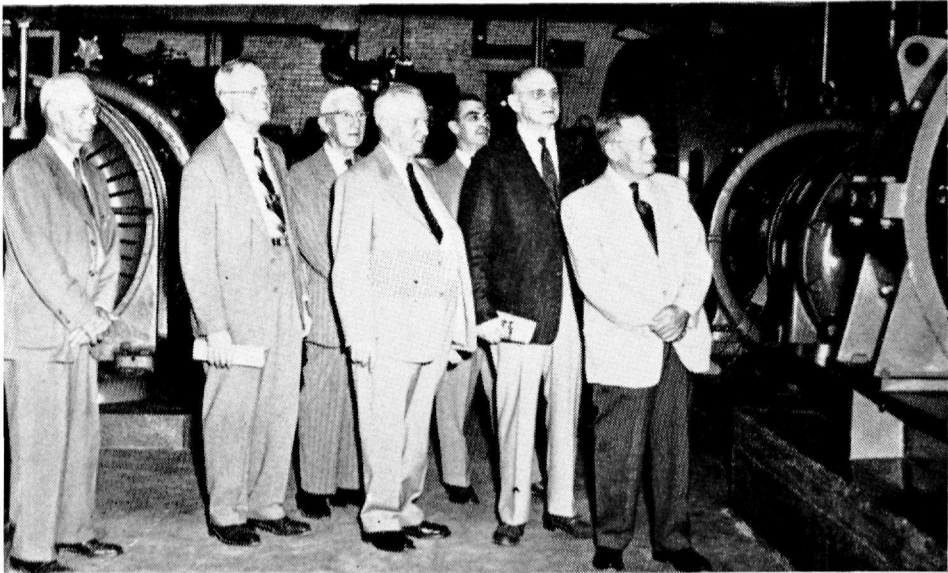
It required the skill of engineers who have specialized in our particular business for a number of years, aided and assisted by a skilled group of specialized manufacturing personnel working together and with large specialized operating facilities at their disposal. Once out of the laboratory stage it required extensive tooling and manufacture, and the testing of hundreds of thousands of capacitors before a single one was offered for sale. It is because of this type of situation that the trend during the last 20 years has been for the few manufacturers, who at one time manufactured all or a portion of their capacitors, to give up their facilities and depend on outside suppliers like the Sprague Electric Company. At one time such companies as Philco, RCA, Stewart-Warner, Stromberg-Carlson and others, manufactured all or a portion of their capacitor requirements. Now none of these companies do. Even the vast General Electric Company, which manufactures a wide range of capacitors for power and industrial applications, has found it expedient and desirable to purchase from others substantially all of the capacitors used for their appliances, including radio and television sets.

Our Company appreciates the team work so important to the success of our operation, which has been achieved by our people, and we give a good deal of attention to their interests in a variety of ways. Among others, we try to provide good housekeeping and good working conditions for them. We will appreciate any advice or suggestions, or criticisms of any adverse conditions which you may notice as you go through, as we continuously try to improve.

As fellow citizens, many of you are suppliers to our Company or to our employees; also, as fellow taxpayers and as neighbors, you have the same interest in the future of our Company as we have as managers, and as our owners and employees have, and are entitled to whatever information we have about its future.

As to the future, we are a manufacturer's manufacturer. We supply our capacitors, resistors and ceramic coated wire to all of the larger and practically all of the smaller manufacturers of electrical and electronic equipment. As the electrical and electronic industries continue to grow and prosper, we will prosper. As our business, and particularly that portion of it going to the electronic industry, has become more complex, we have grown faster than our industry. The electronic industry has increased 1½ fold during the past 11 years. In 1940 the industry did a total volume of business of about a quarter of a billion dollars, whereas last year (in 1951) the volume of the industry approached three billion dollars. During the same period our own volume has increased about 20 fold. The continuing increase in the generating capacity of the electrical industry augurs well for the continued expansion of one of the two

Guests Get Acquainted With Sprague Electric



Marshall Street News

Filters

by Ginger

Congratulations to Doris Krol and her husband who celebrated their sixth wedding anniversary, September 2.

Jane Lanzo enjoyed her vacation by seeing the sights of New York.

Joe Miller was in Boston during his vacation.

Mazie Foley's daughter, Nancy, has entered the Grace Downs School in New York. Nancy is training to be an Airline Hostess. Best of luck to you.

Birthday greetings to Jannine Nadeau and Alice Monette.

We wish a speedy recovery to Margaret Isherwood's granddaughter.

It is nice having Pat Kline back with us again. Pat hasn't changed one bit.

Alice and Tom Monette and their two children spent Labor Day week end visiting Alice's family in Lynn, Massachusetts.

Labor Day week end, Henry Testa, Eddie Landry, and Johnnie Davis attended the Yankee-Red Sox game in New York.

Also, Arvilla Shand and her husband attended a wedding in Cleveland, Ohio, Labor Day week end.

Daisy Allen is enjoying her vacation here and there, no place in particular.

Effie Colvin and her husband are visiting Effie's family in St. Louis, Missouri. This is Effie's first visit home in five years.

Ruth Haskins' daughter, Joan, is attending Pittsfield Secretarial School. Joan is very fond of it. We wish all the girls the best of luck in their careers.

Employe Relations

by Sue Slater

We would like to express our welcome to the new girls in our department: Anne Baker, Edith Henning, Patricia Marsh and Monica Novak. Hope you will enjoy working with us.

Marie Gibson has been transferred from Tabulating Department to our office. We are very happy to have Marie with us.

Doris Cadorette has left our office, and she is now residing in Pittsfield.

Fred Whitham has purchased a new home in Blackinton. He spent a good share of his vacation fixing odds and ends around the house.

Norman McWilliams is getting quite anxious for the hunting season to begin. These cool mornings and cool nights are a sure sign that fall is approaching.

Clarence Chaffee has done a fine job arranging "Get-Acquainted Days".

Retail Sales

by Barb and Mario

Welcome to the new girls, Shirley Choquette, Theresa Morin, Ethel Roy, and Dolores Knox.

Patty Donovan's mother and father, Mr. and Mrs. Daniel Donovan, celebrated their 25th wedding anniversary, September 17.

Purchasing

by Irene 'n Lee

Farewell to Helen Connors who has left us to accept a position in the Sales Office. Congratulations and good luck, Helen.

Welcome to Alice Foist, a newcomer to the Purchasing Department.

Lorraine Stefanski had a birthday September 8. Congratulations and best wishes.

Your two reporters have to rush mornings now that school has reopened. We both have daughters in primary.

Flat Midget Assembly

by Carmela Mancuso

Welcome to our department, Clara Caiotti and Rose Lancto. Hope you like working with us.

It is good to see you back with us, Amelia Courtine and Ida Brooks. They were both home on leave.

Congratulations to Mr. and Mrs. Pat Mazza on their second wedding anniversary, August 12.

Our reporter spent her last week of vacation at Revere Beach and had a wonderful time.

Janet Maher went to Washington, D.C. during her vacation and had a nice time.

Hazel Lillie is back from her vacation which was spent resting at home.

Congratulations to Robert Barbuto on his future marriage to Geraldine Crew of Pittsfield. They are planning to be married October 25.

We will miss Isabella Corbosiero and Laura Benoit, who are leaving us to work nights.

It is good to see Bob Johnson and Bob Barbuto back with us after spending a few weeks at Brown Street.

If you see a flashie car going down the street, it probably will be our Jo Kelly. It seems Josephine likes to ride in style. She also had another experience riding a motorcycle. So if you see her coming, "clear the way".

Everyone enjoyed their Labor Day week end. Lillian Trombley enjoyed hers visiting her son who was at Camp Drum with Company K. She also visited the Thousand Islands.

Building No. 1

by Breezy

Jane Gordon and Blair Hamilton were married Saturday, September 6, and those who were at the wedding have told us how lovely the bride and her attendants looked. To Jane and Blair go our best wishes for a happy and successful life together.

School days, school days! Happy ones they are for the daughters of Betty Neveu and Helen Goodermote who are members of the kindergarten class at Freeman School.

And speaking of school days, Jim Boulger also is returning to school. He will be a senior at Holy Cross College. Good luck, Jim, we've enjoyed having you with us for the summer and hope you will drop in and visit with us some time when you are home on vacation.

Good luck to Jean Hayden who is leaving us to go with her husband to New Haven where he will study at Yale University. We are going to miss Jean.

Our welcome mat is out for Pat Schabot and Betty Noel. Hope you like working with us, girls.

Congratulations to our new grandmother, Helen Callahan. Best wishes to the happy family.

We wish Dolores Lipinski a speedy recovery. We miss her here at work.

Janice Fowler enjoyed a vacation recently. She did some traveling, spending a week at Lake Lauderdale in New York State.

Marshall Street Paper Rolling

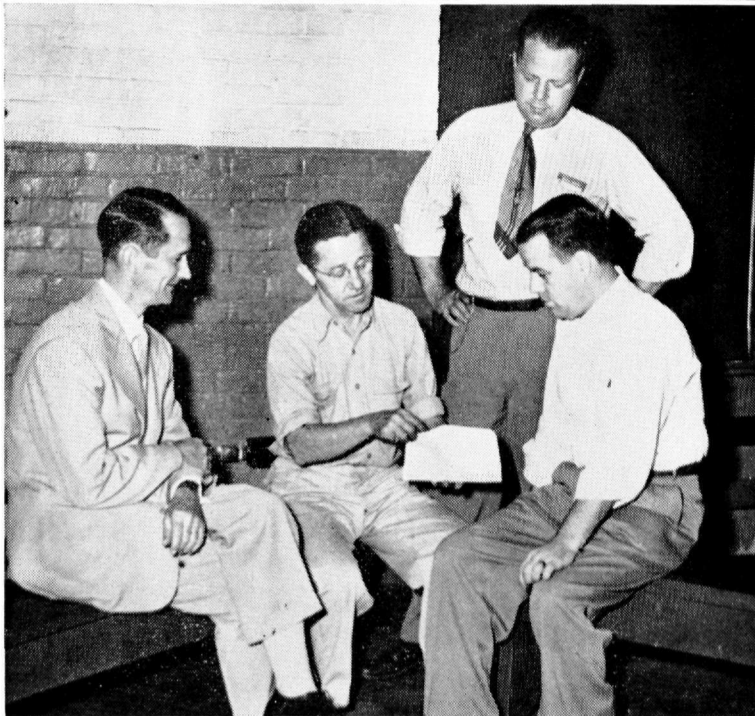
by Larry Hiser

Frank Gordon and Al Gibeau are back after two weeks of vacation.

Jim Modena spent a week resting at a camp on Lake Ontario.

Joe Poissant enjoyed his vacation in the eastern part of the state driving his new Nash.

We would like to welcome Lewis Angeli, Harvey Barbeau, Erwin Bradley, John Graham, Wilfred Harris and Clinton Tavelli.



WORTH FIFTY DOLLARS — John Hickey of F. P. Assembly proudly shows the fifty dollar check which he won for a Suggestion Award. John suggested a ground connection to a capacitor for ageing. To the left is Bill Phelps, Secretary of the Suggestion System Committee, to the right, Pete Law, Foreman of F. P. Assembly, standing, John Pierce, General Foreman.

Sales, Production and Sales Engineering

by Fran Melito and Doris Langer

Hi, Ann Lefebvre and Helen Connors. Ann is working in Production Engineering and Helen Connors has recently started to work in our Sales Office. (Helen is formerly from our Purchasing Department.)

Good luck to Ann Gagnier who left to teach school in Williamstown.

VACATIONS: Betty Knox, Canada; Ernie Mason, Boston; Harold Rarick, Hampton Beach; Gene Beaupre, Nantasket Beach.

Ray Lamoureux and Gene Beaupre spent most of their vacation finishing their new homes.

A party was held at the Heartwellville Lodge for Lola Artioli who was married to Carl Gorman, August 30. Lola was presented with a purse of money.

Congratulations to Mr. and Mrs. Donald Taylor and Mr. and Mrs. Raymond Vallieres. Both couples are the proud parents of baby boys born recently. Mrs. Taylor is the former Nat Garafano and Mrs. Vallieres is the former Carol Norman, both of the Sales Office.

Best of luck and good wishes to Dawn Schmidt who is to be wed on September 27.

Accounting

by The Magpies

Accounts Receivable enjoyed a delightful evening recently at the summer home of Ruth Graves. A delicious dinner was served by the hostess, Ruth, and, needless to say, it was a full and happy group which left the table.

Following dinner, games were played. Present at the party was Kay Baroni, a former employe of this department. All agreed it was an evening of fun. A vote of thanks is extended to Ruth's mother, Mrs. King, for her contribution toward making the dinner complete with one of her "Yum Yummy" Daffodil cakes.

Geneva Pratt spent a most enjoyable Labor Day week end visiting her brother and his family at Canton, New York.

It was a plastic party that Lillian Schwab had at her home. The display and demonstration was very interesting.

Canasta pro's or otherwise, did you know there is a real hot Canasta game each noon in the Accounting Department? These girls know their game and it's an education in itself to watch and listen to the Canasta jargon.

Warehouse and Incoming Inspection

by Ralph Fressola

What's this we hear about John Buchanan spending \$100.00 for a champion Beagle? The beagle turned out to be a night owl who toured the Greylock Reservation at 3:00 a.m. with John running a close second calling "Tippie, please come home, Tippie". But Tippie refused to be persuaded. Consequently, he lost his happy home.

Vacation time was travel time for our group. Walter Barnes visited Florida and Texas. Gerald O'Neil spent two weeks touring Florida. Casimer Sanecki made his annual trip to Brooklyn to see his "Bums" play. Viola Spagnolo picked up quite a tan at Myrtle Beach, Conn. Milton Lavigne visited Montreal and Charles Bourdon got his share of fish at Lake Champlain. Joseph Roberts went to the wilds of Canada for his fishing trip. Ralph Fressola visited Pittsburg. Norman Rougeau went to Atlantic City to see the bathing beauties, but was rained out. Violet Mancini had a very pleasant stay at Hampton Beach. Chet Rowe believes in combining a little work with his pleasure, so with only a paint brush and plenty of energy he spent most of his time catching up on the painting around the house.

Miscellaneous Dry Test, Finish and Ship

by Ceil Risch

Welcome to our new co-workers: Sylvio Allard, Emilia Gigliotti, Edythe Teichert, Dorothy Hoy, Alan Poirrot, Lillian Watt. Hope you enjoy working with us.

Congratulations to Mary Ziaja. Hope you will be very happy in your new home.

Get well soon, Margaret Taft. We hope your operation was successful and that you will be back with us soon.

Congratulations to Josephine Barbone Boisio who was married in Italy in July. We are waiting anxiously for her return to the States. She is leaving Italy the 15th of September. After receiving so many cards from Italy and France, we can't wait to see her.

Formation

by Edward Cook

Congratulations to Mr. and Mrs. Leo Lecuyer of Adams. A son was born in the North Adams Hospital, September 6. Leo works in the Lab of Formation Control.

Believe it or not, Moris Jepson, who lives in Stamford, Vermont, has quite a vegetable garden. It has grown so fast that his cucumbers have grown wild.

Charles Miller has left his vacation-time job in the Formation Department to return to the University of Massachusetts to further his education. Best of luck to you in your studies.

What has happened to the Red Sox, Adam Pevoski and Jim Shea and a few others? Next year will be another try.

Network and Filter Development Section

by Julia Desrosiers

We send our congratulations to Mr. and Mrs. Raymond Vallieres on the birth of their son. The proud father carried out the tradition, passing out cigars.

Ralph MacDonald is back from two-weeks training with Med. Tank Co. — 140th Ind. Reg. 26th Division. His division was complimented by the instructor for excellence in field training. Ralph is also kept busy as a Scout Leader for Troop 33 and was recently appointed neighborhood scout commissioner.

Gladys Dubie looked proud showing us pictures of her cute daughter and son.

Shipping

by Cecile Trudeau

Welcome to the Shipping Department, Viola Dempsey and George Shurtliff. We hope you like working in this department.

June Rock, Clair Mancini, and Agnes Bolus spent a week end at Lake George and had a wonderful time.

Several girls from this department attended the shower given in honor of Miss Joanne Mancuso at the American Legion Hall. Joanne is to be married to Anthony Saltamartini, October 4 at St. Anthony's Church. She was the recipient of many lovely gifts including a sum of money.

Ernest Gregory and George Deming are enjoying their vacations.

Cecile Trudeau attended the Great Barrington Fair.

Good luck to Ervin Bradley who has been transferred to Marshall Street Paper Rolling Department.

Our deepest sympathy to Margaret Roedel, on the death of her mother, Mrs. Albertine Roedel.

Miscellaneous Dry Rolling DG 24 Assembly

by Homer

We would like to welcome the new girls and fellows to our room. We hope they like it.

We were very happy to see Elmer Fountain the other day when he stopped in for a short visit.

Wedding bells will ring for Theresa Beaudin and Dora Rotolo on September 20. The room wishes them the best of luck.

Last month, the wedding bells rang for Delia Gorman. She is now Mrs. John Lilly, and very happy too.

Stan Oslizlo came back from camp with the National Guard, but he didn't bring any stories with him. We were very surprised because Stan is our best story-teller.

Prokar

by Dorothy Osborne

Vacations have ended for Norman Miller, Keesville, New York; Reginald Rowett, at home; Nancy Doan, unknown; Fletcher Morgan, unknown; and Dot Osborne, Lake George.

Congratulations to Norman Miller. He has a new grandson born about three weeks ago. Does he look like you, Norm?

We are glad to see that Dot Osborne's son is out of the hospital and on the road to recovery.

Ceramics

by Ida and Ginny

Mac McQuarrie has returned from his vacation. He spent part of it in Boston and part in Pennsylvania where he attended his sister's wedding.

Belated birthday greetings to Jewel Martin.

It seems good to have Alma Haley back with us after her vacation.

Walt Estes has just returned from his two-weeks dream vacation, two weeks of maneuvers with the National Guard at Camp Drum.

Frank Recny spent his vacation visiting his mother's home in Ford City, Pa.

Charles Sausville is back from his two weeks of maneuvers with the Guard.

Tom Quinn is on vacation.

Round Midget Assembly

by Anon

A big welcome to our new co-workers: Rita Masson, Virginia Oliveri, Romona Turgeon, Madeline Horriagan, and Laura Delise. Hope you enjoy working with us.

Mary Scarbo is spending her time these days in Jersey City, New Jersey.

Mary Marra is enjoying her vacation in Bridgeport, Connecticut.

Helen Modeno is at the North Adams Hospital. We all miss you, Helen, and wish you a speedy return to us.

Jennie Garceau, your reporter, spent the week end in Boston attending the wedding of Patricia Collins, a former Sprague Electric employe at the Brown Street plant. Pat is now a Laboratory Technician at the Lahey Clinic.

Greetings to Julia Sullivan of the Brown Street plant. Hope you are feeling much better by now.

Alice Moreau spent the week end in Schenectady, New York. She had fun forgetting her diet.

Brown Street News

Industrial Oil Final Assembly

by Belle Fuller

Sorry to lose co-worker Freda Theberge who is leaving us. Hope some day you'll be with us again.

Also co-worker Read Remillard is leaving us. Read has joined the Armed Forces. He was given a surprise dinner at Florini's Gardens and a purse of money by his co-workers. Best of luck, Read.

Mary Gaspardi was given a bridal shower, September 10. Members of the KVA attended. Mary will be married October 4 to Robert Provost of the State Road, Greylock.

Joseph Rotolo has a new addition to his family, a lovely boy, which makes four sons.

Our Foreman, Bernard Fitzpatrick, is still enjoying his two-weeks vacation. We miss you, Bernie.

Laura Lanoue, Isabelle Fuller, and Joseph Rotolo are back to work after enjoying their annual vacations.

Resistor Assembly

by Chick and Chuck

Ethel Murphy has a new Ford. Margaret Cutler is back to work after several months absence due to a broken bone in her arm.

John MacFarlane spent two weeks cooking for Company K. He was thinner when he came back.

Maudie Jones spent part of her vacation traveling and the rest of it in New York City.

Joe Moreau is now working on the casting table.

Steffi Leja took the last week of her vacation recently and is back for another year.

Deepest sympathy to Bertha Vaughan on the loss of her grandfather.

Industrial Oil Stacking

(Small Orders)

by Marg Greene

Milly Conroy has been doing very nicely with her horseback-riding lessons. Every Monday, the familiar cry is echoed, "Conroy rode again".

Words come to me that our own Fran Brazeau after receiving the regimental trophy for the Company K champion basketball team, stood with the commanding officers while the full regiment passed in review.

A farewell party was held at Fort Massachusetts to honor Dot Wellspeak who is returning to Boston and Ruth Crawford who has resumed her teaching at the Adams Junior High. Among those attending was Angie Pontier who entertained with an Italian Folk Dance and Yvonne Babeau who did her yodeling. The climax of the evening was Jerry Delise's sensational vocal. We wish our guest of honor a successful future.

Welcome back to work, Bart Mayo, and welcome, Frances Bartlet and Eddie Clark.

Nancy Puppulo vacationed at Hampton Beach and not only saw Johnny Ray on the stage but occupied the cabin next to his.

Our deepest sympathy is extended to Margaret Perrault on the death of her sister.

Miscellaneous Resistor Assembly

by Jean Levy and Rita Brooks

Belated birthday greetings to Mildred (Midge) La Cross whose birthday was September 6.

Bob Clark has returned to work after spending two weeks of hard training at Camp Drum. Bob can't do a thing with his short hair.

Marguerite Todd and her husband, Jim, spent a week in Washington, D. C., visiting their daughter, Pat, also a few days with their son, Jim, who is in the Army. Glad to hear you both had a swell time.

Happy anniversary greetings to Mr. and Mrs. Clyde Levy from the gang and the Roy family.

Jenny King is looking forward to that extra hour of sleep she will get at the end of this month.

The gang sends their hello's to Julia Sullivan who is out on sick leave. Hurry back soon.

Laura Roy spent an afternoon at school visiting the children. What a kick she got out of the five-year-olds.

Molded Tubular Soldering

(Second Shift)

by Lillian Forbush

We extend a hearty welcome to Marjorie Blair, Evelyn Ciempa, Mary E. Coleman, Grace Denno, Jo Greenbush, Margaret Kryston, Mildred Patryn, and Bernice Roberts. We hope they will enjoy working with us.

Rose Grenier spent her vacation in Canada.

Ella Gero, Sandy Seneecal, Wand Scarpitto and yours truly are spending their vacations in the comfort of their homes.

Industrial Oil Rolling

(Nights)

by Justine Miner

Anna Provencer enjoyed a vacation in Maine. Millie Lepak enjoyed her vacation at home.

The girls helped Bert Raymond celebrate his birthday with a cake.

Cecile Provencer and Harold Schneider of Adams were married September 10. Cecile is the daughter of Anna of Industrial Oils.

Industrial Oil Stacking

by A. Heath and L. Lewis

We think Charlie Cyr's beard is out of this world. "It's not coming off until our Hot Rod wins a race," says Charlie.

Pete Mancuso and Charlie Zocchi spent their vacations at Saratoga Springs, N. Y.

Nellie Hall and Winnie Emery visited us recently. They both look fine.

Our yodeling cowboys, Larry Benson and Val Cloutier, are looking for a TV show. They're good!

Beaver Street News

Bathtub Assembly

by Dora Landry

August was a big month for vacations in BTA. Altie Jilsson vacationed at Niagara Falls and the Thousand Islands, Flora Nichling at Lake Champlain, Pauline McCuen at Saratoga, Alice Wright at Saratoga, Narragansett, Rockingham and Savin Rock.

Bertha Jennings' daughter, Shirley, entered St. Luke's Hospital in Pittsfield where she will spend the next three years training.

Janie Ciepiela is a proud Auntie, Janie's brother, Freddie, and his wife, Lorraine, have a brand new baby girl.

We miss Cris Andrews since she left us for a leave of absence. Best of luck, Cris.

Eleanor Durocher celebrated her birthday recently. She was presented several lovely gifts from her co-workers.

Agnes Chesbro and her husband, Norman, enjoyed their vacation fishing at Lake Champlain and some fishing!

In less than one hour, Norman caught three Catfish, one weighing 20 lbs., one 17 lbs., and one 7 lbs. That's 44 pounds of fish in less than an hour. This is no fish story.

Congratulations to Leano Lamoureux and her husband on their 38th wedding anniversary, also to Mrs. Edith Royal and her husband on their 28th, Jessie and Henry Meczywor on their 15th anniversary, Rose Vallier and her husband, Joe, on their 13th anniversary, Dorothy Sprague and her husband, Eddie, on their 3rd anniversary.

We are glad to have Marjorie Brooks back after her leave of absence.

Carolyn Grant really enjoyed her annual two-weeks vacation. Her son, William H. Grant, Sm 2/c, was home from the Navy.

Agnes Chesbro's brother, James, has been shipped to Japan as an Intelligence Officer. This is his 17th year in the service.

Who has Gert Deso got her eye on down here at Marshall Street?

Our deepest sympathy to Walline Bend on the death of her father.

Plating (Day and Night)

by Is.

Vacation time has come to a close once more. Jim Dolan, Nicola Sanzi, Nes Roberts, and Red Gorzokski each enjoyed two weeks off. George Whipple, Mike Becker, Howard Isherwood, Zigamond Nash, Charles Koslowski, Bob Chalifoux, and Harry Paesler each enjoyed one week of leisure.

We have a new member in our department, who comes from Adams. His name is Joseph Kaczka.

George Whipple and Mike Becker are selling their cars. Highest bidders will have first choice. Both are reported to be in good condition.

Can Shop

by Cliff Domenichini

We wish to welcome to the Can Shop, Robert Bliss and Bill Goodermote. Hope you are with us for a long time.

Most of our vacations have come and gone. Osborne Edwards, Washington; Ralph Sherman, Lake George; yours truly, Lake Champlain; Bud Valley, home.

Bob Haas is in business with a Launder Mart installed in his home in Williamstown. Anyone wishing to get washing done, call Bob at his home. Service is guaranteed.

Donald Kleiner was at camp for two weeks this summer. His duties were with Co. M. of Adams.

Bill Fortini has joined the famed Ipana Smile Club of the Can Shop and what a smile it is.

Gerald Rickert took his physical for the Army recently.

Bill Fortini visited the North Pole over Labor Day week end.

Metal Clad Tubular Finish

by Rita Johnson

Birthdays were celebrated recently by Ethel Brown, Rita Johnson, and Ann Patenaude. Each girl was presented a cake and a lovely gift from their co-workers.

Vi Scott spent the holiday week end in Newport, Massachusetts.

Hazel Windrow has returned following a two-weeks vacation visiting in Springfield, Massachusetts and other places.

It's good to see Dot Lowe feeling better and back to work again.

Margaret Dempsey enjoyed a two-weeks vacation in New York City and Washington, D. C.

Anna Lamoureux enjoyed the holiday week end in New York City.

Mary Cwalinski has returned to work following a week's vacation at home and Boston.

Good luck and best wishes to John Duxbury who has left us to resume his studies at Boston University.

Miscellaneous Paper Finish

by Gertrude Noel

Jackie Parot and family spent Labor Day week end in New Jersey.

Velma Lincoln journeyed to Bainbridge, Maryland to attend the graduation of her son, Charles Lincoln, Jr., who has completed his basic training in the U. S. Navy.

Raymond Guyette had his sister-in-law from Virginia visiting at his home for two weeks.

Sorry to hear that Theresa Garofano and family had a slight accident Labor Day. They all were severely shaken up.

Maude Waska has a new car. Janet Haas's son started school this year and likes it very much.

Mary Alice Fuller attended the Great Barrington Fair.

Gloria Amos spent Labor Day week end in New York City visiting friends.

Small Order Metal Clad

by Jane Paradise and Lea Ferras

Farewell to Bob Sauve who is leaving for college. It was nice having you with us. Best of luck in your studies.

Welcome to our department, Danny Levesque. Hope you will enjoy working with us.

Jean Pirost lost her voice at the stock car races. She was rooting for her favorite driver, Steve.

Jane Dufresne is going to Arizona and Detroit for her vacation. Hope you enjoy your trip, Jane.

Riders Wanted

From Becket to Coltsville to North Adams. Arrive in North Adams at 7:30 a.m., leave North Adams at 5:30 p.m. Contact D. Gore, Factory Engineering Department, Marshall Street, 400, or call Becket 2312.

Pittsfield High 1952

Football Schedule:

Sept. 19—Springfield Tech. . . Pittsfield
Sept. 27—Holyoke . . . Holyoke
Oct. 4—Adams . . . Adams
Oct. 10—Drury . . . Drury

Pittsfield (Night Game)
Oct. 18—Greenfield . . . Greenfield
Oct. 24—Cathedral . . . Cathedral

Springfield (Night Game)
Nov. 1—Northampton Northampton
Nov. 11—St. Joseph . . . Pittsfield

Pittsfield St. Joseph 1952

Football Schedule:
Sept. 14—Holyoke Catholic . . . Holyoke
Sept. 20—Open . . . Open
Sept. 27—Lee . . . Lee
Oct. 3—Drury . . . Drury

Pittsfield (Night Game)
Oct. 11—Adams . . . Pittsfield
Oct. 18—Open . . . Open
Oct. 24—Dalton . . . Dalton

Pittsfield (Night Game)
Nov. 11—Bennington . . . Bennington
Nov. 11—Pittsfield . . . Pittsfield

Williamstown High 1952
Football Schedule:
Sept. 20—Arms Academy . . . Shelburne Falls

Sept. 27—Dalton . . . Williamstown
Oct. 4—Deerfield . . . Deerfield
Oct. 11—Open . . . Open
Oct. 18—Bennington . . . Bennington

Oct. 25—Lee . . . Williamstown
Nov. 1—Burr and Burton . . . Manchester, N. H.

Bathtub Assembly (Balcony)

by Marie-Rose LaFlamme

Josie Sikorski is enjoying her vacation in New York City. Have a swell time, Josie.

George Simon came in with a flashy sweater the other day and still hasn't heard the end of it. George says he doesn't know whether it is better to freeze or get teased. All joking aside, George, you have very good taste. It is pretty and we are all just envious.

A welcome back to Jeanette Oleskiewicz who returned to us September 9. Her husband left for overseas. Hope it won't be too long, Jeanette.

Birthday greetings to Ida Fowler who will celebrate her birthday September 13.

Jeanette Oleskiewicz will blow out the candles September 25.

Marie-Rose LaFlamme celebrated her birthday August 29. May there be many more in store for you.

If you are interested in learning to sing, just contact Vivian Dale and Nancy Briggs. Lessons are free if you can name their songs. Frances Roy and Margaret Weslowski are still trying their luck. Cotton in the ears is permissible.

Paper Rolling

by Margaret Dague

Evelyn Soule is back after a two-week vacation. Lucky girl, hope you enjoyed it.

Vacationing this week are Jeanette Adams and Laura Naughton.

A shower was given in honor of Rose Grynkiwicz who is getting married October 11.

Celia Meranti is out on a two-weeks vacation. Enjoy yourself.

Mr. and Mrs. James Naughton celebrated their 30th wedding anniversary, September 4. Congratulations.

Farewell to Irene Sabady, Margaret George, and Lil Stephen who have returned to their former department. It was nice having you with us.

A speedy recovery to Dora McCutcheon who is out on sick leave.

Aline Mandeville spent her vacation in Boston.

Eva King wishes to thank the day testers for the beautiful birthday cake they gave her.

Rose's shower was at Rena Colo's house. During the evening, pizza and coffee were served.

Publishing Staff

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Social Chairman: Ann Heath

Sports Editor: Kenneth Russell

Photographer: Albert Horsfall

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Bennington Plant Reporter

Mildred Marchegiani

Sports Reporter: Fran Brazeau

Cartoonist: William Pratt

"Every Sprague Employee an Assistant Reporter"



Published every two weeks by SPRAGUE ELECTRIC CO., North Adams, Mass.

Worth Thinking About

If you're wondering why your family paycheck doesn't seem to go as far today — why it's getting tougher all the time to buy the things you need and to *save* something — take a long look at this table.

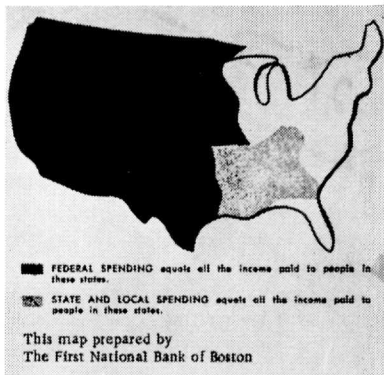
About this much of your income is going in direct and indirect taxes*

For example if your income is:	Federal	State and Local	Total In Dollars
\$1500	16.2%	5.9%	\$ 331.50
\$2500	19.0%	6.3%	\$ 632.50
\$3500	20.8%	6.4%	\$ 952.00
\$4500	23.0%	6.6%	\$1332.00
\$6250	25.9%	7.2%	\$2068.75
\$8750	28.1%	8.3%	\$3185.00
\$12500	31.2%	9.5%	\$5087.50

*This does not include what you pay in social security taxes.

—Compiled from Official Government Sources.

The Darkening Shadow



The black section of the map printed above shows a black picture indeed — for the American people.

Total government spending *now* is taking as much money as is paid to all the people in an area covering four-fifths of the country.

It takes as much as all the wages, salaries, rents, interest, dividends, profits and other income of the 62 million people who live there.

Federal extravagance and sheer waste have lengthened the shadow year by year.

Find your own income-bracket in the table above. Look at the "bite" the federal government takes, and the other taxes, too. That's what *Big Government* is costing you. It may be more tomorrow.

The federal government alone has just asked for more than \$85 billion for the year ahead. This is \$14 billion or 20 per cent *more* than the federal government *now* collects in taxes.

You pay for what the government spends, so if you want to keep your tax bill down . . . it's best to keep the government's bills down.

How much farther will it be permitted to creep over the land and people of America?

Remarks by R. C. Sprague On "Get-Acquainted Days"

Continued from Page 2

basic industries we serve, the electrical industry, and I become excited when I think of the future of the electronic industry.

The miraculous electron tube has made possible circuitry which can add, subtract, multiply, divide, differentiate, integrate and remember. The almost unlimited extension of sight, made possible by television, has an optimistic future. Also, in my opinion, one of the greatest expansions in the electronic industry will take place in the area of industrial electronics, in the form of electronic controls for the improvement and operation of manufacturing processes, and in the expansion of industrial television, which permits the distant observation of manufacturing processes, which is certainly a coming business of sizeable proportions.

In addition we have micro-wave relay systems, electronic heating, electronic calculators and many miracles to come, and capacitors are used in large quantity in nuclear reactors, and even for the control and implementation of atomic explosions.

Together with all businesses, our industry will be affected by business cycles, both short-term and long-term, but with each new upswing I am sure you agree with me, that these great industries will reach continuing higher peaks of production and sales, as the miracles of electricity are more and more turned to doing the work and increasing the knowledge and entertainment of mankind.

I have probably erred in concentrating too much on the technical nature of our business, but I have done so deliberately, to try to give you a "feel" of our business which I doubt can be obtained in any printed report or any analysis of operating results.

Before closing, I would like to invite your attention to a few examples of our product shown on these boards. As we last year manufactured about 200,000,000 capacitors and resistors to over 21,000 different manufacturing specifications, you can see they are only a very small sample of what we produced during the year.

Mr. Flanders will now tell you about the arrangements which have been made to conduct you through our laboratories and manufacturing operations, and I most sincerely hope, when you have finished with this tour, that you will feel that your time has been well spent.

Again many thanks for joining us today. Our whole staff joins me in expressing our most sincere appreciation for your friendly cooperation and interest.

Men's and Women's Bowling Leagues Organize for Season

The Men and Women of Sprague Electric have once more organized for the coming 1952-53 bowling season.

Presidents of both leagues have called meetings and our reports state that the response was grand.

We would like to ask both secretaries of the two leagues to coordinate their records, statistics etc., with us so that we may give the league standings, individual records, and a report in each issue of the LOG.

Your reporter may be contacted by calling Brown Street, 857 or 880. Your cooperation will be appreciated by not only the staff but by the league itself.

LOST—A lady's dark brown shoulder bag. Contains a small amount of money, driver's license, and important papers. Will the finder please return to Ella Landry, F. P. Cover Assembly, Marshall Street.

Dorothy Osborne of Prokar and Polyester Impregnation Speaks for the Community Chest



Dorothy Osborne

Staff

Dorothy Osborne does rack and flash work on prokars in Prokar and Polyester Impregnation. She has this to say about the forthcoming Community Chest Red Feather Drive. "I am going to give what I can to support the Community Chest in its 1952 drive. I have seen the Community Chest in action and I know it is a worthwhile organization. One of

my neighbors has a crippled child. This little boy has been helped at the Berkshire School for Crippled Children in Pittsfield. This school is only one of the good things supported by the Community Chest. The Salvation Army is another one. That's why I'm in favor of giving to the Community Chest."

Opening Game of Williams Football Season With Air Force Team Expected to be Toughie

Coach Len Watters and his assistants are hard at work getting the Ephmen in shape for their opening game, Sept. 27. This opener is going to be a *toughie*.

The Bollings Field Air Force team already has recorded an upset in beating the Quantico Marines, 14-6, and they are loaded with talent.

Many fans in Williamstown and the surrounding area will have an opportunity to see the Michigan State star of 1950, Al Dorow. He led his team to its initial victory. This eleven is star-studded and seasoned from college experience.

Meanwhile, a scrimmage has been arranged against the University of Vermont for the Purple and this actual contact work will be invaluable to the Williams eleven.

Fred Broderick, Pittsfield St. Joseph star, is working hard to land the full-back position.

Incidentally, the Ephmen will average a little better than 200 lbs. on the line and boast of a fast backfield.

Drury and Adams High Open Football Season

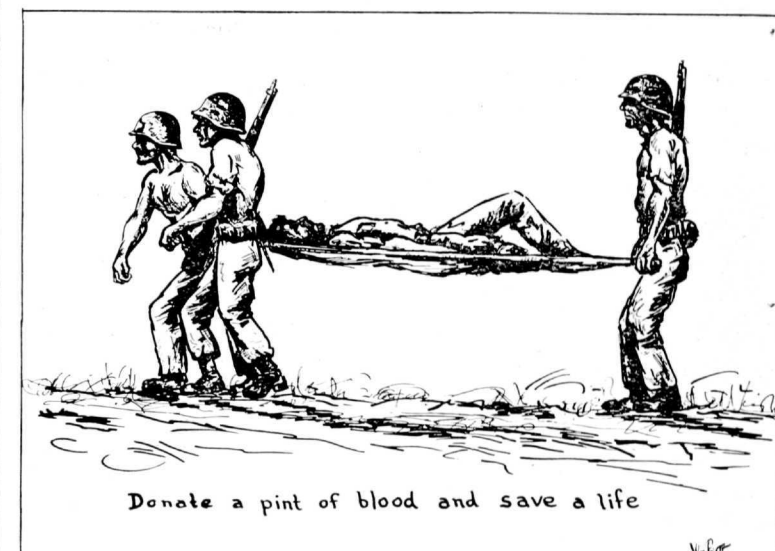
Drury and Adams High have pried off the 1952 lid, with Drury meeting a 25-0 defeat at the hands of Northampton while Adams battled Turners Falls to a 7-7 tie.

Drury's inexperienced sophomores were rudely jolted by the Meadow City team in an arc-light contest at Northampton. The more experienced home team scored in every period to rack up four touchdowns and to gain revenge from the Blue Devils who had a year ago scored a 27-0 win. Fumblitis was prevalent in the Drury backfield and this hurt the Tunnel City lads a great deal while on the offense.

Adams High launched its opener at Turners Falls and held the home team to a 7-7 tie. Adams has a big team this fall and will become dangerous.

Williams Varsity Soccer Schedule:

Oct. 4—Harvard	Home	1:00 p.m.
Oct. 8—Massachusetts	Home	4:00 p.m.
Oct. 11—Brown	Away	
Oct. 17—Dartmouth	Away	
Oct. 25—Connecticut	Home	11:00 a.m.
Nov. 1—Springfield	Away	
Nov. 8—Wesleyan	Home	10:30 a.m.
Nov. 15—Amherst	Away	



Donate a pint of blood and save a life